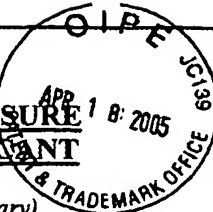


Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)



Complete if Known

Application Number	10/798,409
Confirmation Number	5988
Filing Date	March 12, 2004
First Named Inventor	TSUKADA, Kenji
Art Unit	2856
Examiner Name	Rose Mary Miller
Attorney Docket Number	Q80436

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
Rm		US 6,799,820	B1	10/05/2004	Usui et al.
		US 2002/0012015	A1	01/31/2002	Tsukada et al.
		US 2002/0015068	A1	02/07/2002	Tsukada et al.
		US 2002/0015084	A1	02/07/2002	Tsukada et al.
		US 2002/0105555	A1	08/08/2002	Tsukada et al.
		US 2002/0135623	A1	09/26/2002	Tsukada et al.
		US 2002/0170353	A1	11/21/2002	Usui et al.
		US 2003/0043216	A1	03/06/2003	Usui et al.
✓		US 2003/0071862	A1	04/17/2003	Tsukada et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
Rm		EP	1 055 520	A1	11/29/2000	Seiko Epson Corporation	
		JP	10-323993		12/08/1998	Canon Inc.	Abstract
		JP	10-175312		06/03/1998	Canon Inc.	Abstract
		JP	03-169642		07/23/1991	Canon Inc.	Abstract
		JP	03-067657		03/22/1991	Canon Inc.	Abstract
		JP	09-286121		11/04/1997	Brother Ind. Ltd.	Abstract
		JP	2001-146030		05/29/2001	Seiko Epson Corp.	Abstract
		GB	2321107	A	07/15/1998	Smiths Industries Public Lmted. Co.	
✓							

NON PATENT LITERATURE DOCUMENTS

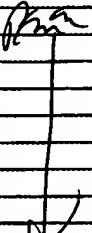
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature	Rose Miller	Date Considered	5/27/05
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		Number	Kind Code ² (if known)		
		US 2003/0117450	A1	06/26/2003	Usui et al.
		US 2003/0117451	A1	06/26/2003	Usui et al.
		US 2003/0140694	A1	07/31/2003	Usui et al.
		US 4,196,625		04/08/1980	Kern
		US 4,310,957		01/19/1982	Sachs
		US 4,604,633		08/05/1986	Kimura et al.
		US 4,677,448		06/30/1987	Mizusawa et al.
		US 4,935,751		06/19/1990	Hamlin
		US 4,977,413		12/11/1990	Yamanaka et al.

FOREIGN PATENT DOCUMENTS							
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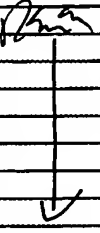
¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

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		Number	Kind Code ² (if known)		
B2 ↓		US 5,068,836		11/26/1991	Steel
		US 5,132,711		07/21/1992	Shinada et al.
		US 5,506,611		04/09/1996	Ujita et al.
		US 5,610,635		03/11/1997	Murray et al.
		US 5,635,961		06/03/1997	Sato
		US 5,694,156		12/02/1997	Hoisington et al.
		US 5,835,817		11/10/1998	Bullock et al.
		US 5,900,888		05/04/1999	Kurosawa

[illegible][illegible]

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				Filing Date	March 12, 2004
				First Named Inventor	TSUKADA, Kenji
				Art Unit	2856
				Examiner Name	Rose Mary Miller
Sheet <u>4</u> of <u>5</u>				Attorney Docket Number	Q80436

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 6,012,794		01/11/2000	Nakano et al.
		US 6,155,664		12/05/2000	Cook
		US 6,254,212	B1	07/03/2001	Coudray et al.
		US 6,347,853	B1	02/19/2002	Kato
		US 6,361,136	B1	03/26/2002	Watanabe et al.
		US 6,416,152	B1	07/09/2002	Matsuzaki et al.
		US 6,435,638	B1	08/20/2002	Wilson et al.
		US 6,438,500	B1	08/20/2002	Froger et al.
		US 5,524,486		06/11/1996	Hermann

previously cited

FOREIGN PATENT DOCUMENTS							
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		Number	Kind Code ² (if known)		
RMA		US 5,264,831		11/23/1993	Pfeiffer
		US 5,247,832		09/28/1993	Umczawa et al.
		US 3,394,589		07/30/68	Tomioka
		US 5,319,973		06/14/1994	Crayton et al.
		US			
		US			
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